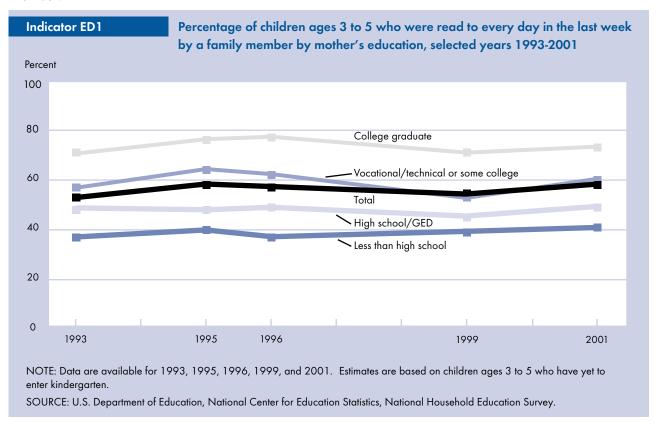


Family Reading to Young Children

eading to young children promotes language acquisition and correlates with literacy development and, later on, with achievement in reading comprehension and overall success in school.⁹² The percentage of young children read aloud to daily by a family member is one indicator of how well young children are being prepared for school. Mother's education is consistently related to whether children are read to by a family member.

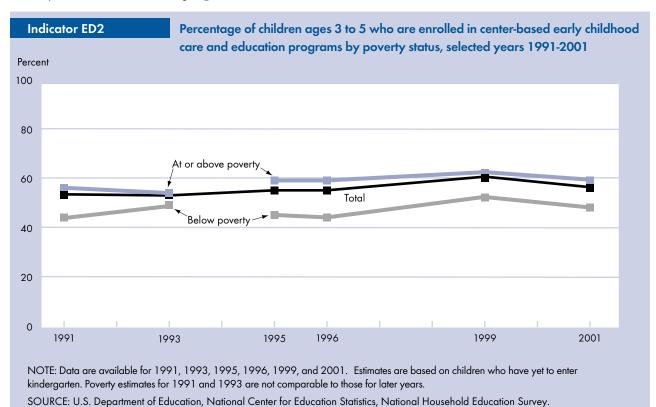


- In 2001, 58 percent of children ages 3 to 5 were read to daily by a family member, a higher rate than in 1993. The percentage has fluctuated between 53 and 58 percent since 1993.
- In 2001, 73 percent of children whose mothers were college graduates were read to every day. In comparison, daily reading occurred for 60 percent of children whose mothers had some postsecondary education, 49 percent of children whose mothers had completed high school but had no further education, and 42 percent of children whose mothers had not finished high school.
- White, non-Hispanic children were more likely to be read to every day than either Black, non-Hispanic or Hispanic children. Sixty-four percent of White, non-Hispanic children, 48 percent of Black, non-Hispanic children, and 42 percent of Hispanic children were read to every day.
- Children in families with incomes below the poverty line were less likely to be read to every day than were children in families with incomes at or above the poverty line. Forty-eight percent of children in families in poverty were read to every day in 2001, compared with 61 percent of children in families at or above the poverty line.
- Children living with two parents were more likely to be read to every day than were children who live with one or no parent. Sixty-one percent of children in two-parent households were read to every day in 2001, compared with 48 percent of children living with one or no parent.

Bullets contain references to data that can be found in Table ED1 on page 114. Endnotes begin on page 63.

Early Childhood Care and Education

ike family reading, participation in an early childhood education program can provide preschoolers with skills and enrichment that can increase their chances of success in school. Studies have demonstrated that participation in high-quality early childhood education programs has short-term positive effects on IQ and achievement and long-term positive effects on low-income minority children's school completion. Until an ongoing direct measure of preschoolers' cognitive, behavioral, and social skills is available for this monitoring report, this indirect indicator monitors the percentage of children who are exposed to a variety of early childhood education programs.



- In 2001, 56 percent of children ages 3 to 5 who had not yet entered kindergarten attended center-based early childhood care and education programs. These programs include day care centers, nursery schools, preschool programs, Head Start programs,
- Between 1991 and 2001, the percentage of children of this age attending early childhood programs varied between 53 and 60 percent.

and prekindergarten programs.

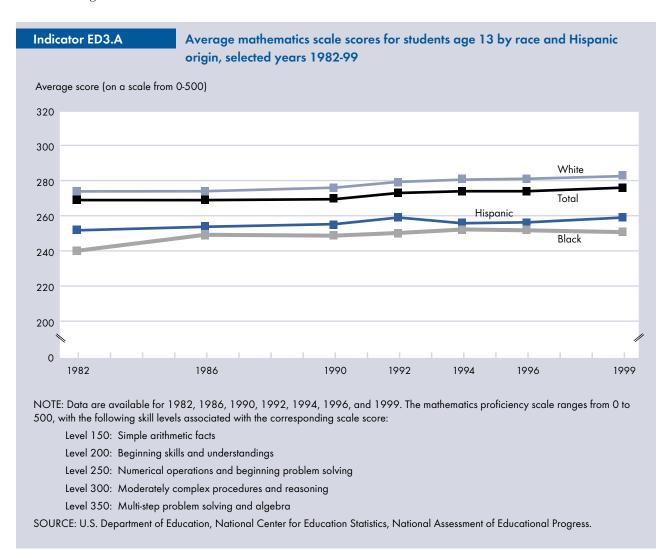
- Children living in poverty were less likely to attend these programs than were those living in families at or above poverty in 2001 (47 percent compared with 59 percent).
- Children with more highly educated mothers are more likely to attend an early childhood program than other children. Seventy percent of children whose mothers had completed college attended such programs in 2001, compared with 38 percent whose mothers had less than a high school education.

- White, non-Hispanic and Black, non-Hispanic children are more likely than Hispanic children to attend an early childhood program. In 2001, 59 percent of White, non-Hispanic and 64 percent of Black, non-Hispanic children ages 3 to 5 attended such programs, compared with 40 percent of Hispanic children.
- Children with employed mothers are more likely to participate in early childhood care and education programs than children of mothers not in the labor force.

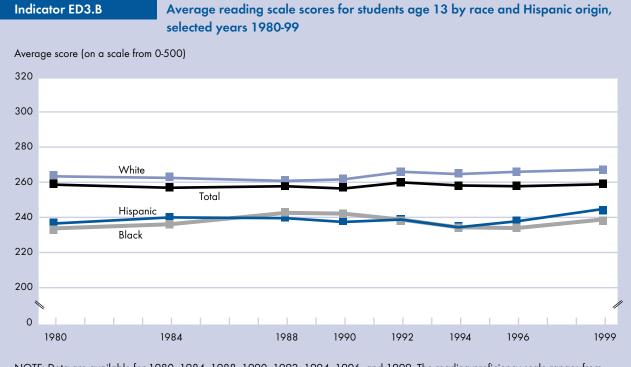
Bullets contain references to data that can be found in Table ED2 on page 115. Endnotes begin on page 63.

Mathematics and Reading Achievement

he extent and content of students' knowledge, as well as their ability to think, learn, and communicate, affect their ability to succeed in the labor market as adults. On average, students with higher test scores will earn more and will be unemployed less often than students with lower test scores. ⁹⁴ Mathematics and reading achievement test scores are important measures of students' skills in these subject areas, as well as good indicators of achievement overall in school. To assess progress in mathematics and reading, the National Assessment of Educational Progress measures national trends in the academic performance of students at ages 9, 13, and 17.



- Average mathematics scores increased for all age groups between 1982 and 1999.
- Scores in 1999 did not improve significantly over the last assessment in 1996 in reading or mathematics in any of the three age groups tested—ages 9, 13, and 17.
- White, non-Hispanic students have had consistently higher reading and mathematics scores than either Black, non-Hispanic or Hispanic students at ages 9, 13, and 17. The gaps between non-Hispanic Whites and Blacks and between non-Hispanic Whites and Hispanics decreased in each subject in some age groups during the 1980s and 1990s, but widened for others. Larger reductions in these gaps occurred during the 1970s because of gains in the scores of Black, non-Hispanic and Hispanic students.



NOTE: Data are available for 1980, 1984, 1988, 1990, 1992, 1994, 1996, and 1999. The reading proficiency scale ranges from 0 to 500, with the following skill levels associated with the corresponding scale score:

Level 150: Simple, discrete reading tasks

Level 200: Partial skills and understanding

Level 250: Interrelates ideas and makes generalizations

Level 300: Understands complicated information

Level 350: Learns from specialized reading materials

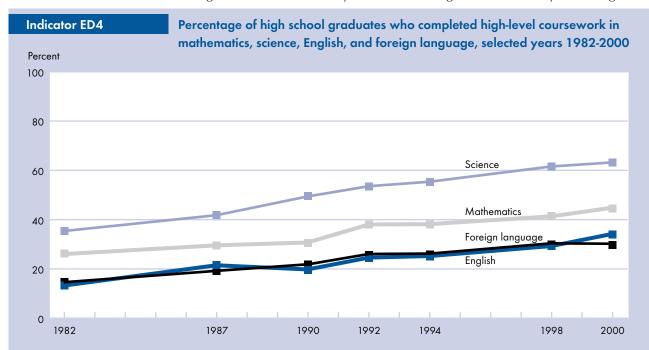
SOURCE: U.S. Department of Education, National Center for Education Statistics, National Assessment of Educational Progress.

- Average reading scores have not improved among students ages 9, 13, or 17 since 1980.
- On average, students at ages 13 and 17 whose parents have completed more years of school have higher reading and mathematics scores than do their peers whose parents have had fewer years of education.⁹⁵
- Girls had higher reading scores than boys at all three ages in 1999. In 1996, boys outperformed girls in mathematics at all three ages, but that gap was no longer significant in 1999. At ages 9 and 13, the differences between boys and girls were not significant for most years between 1980 and 1996.

Bullets contain references to data that can be found in Tables ED3.A and ED3.B on pages 116-117. Endnotes begin on page 63.

High School Academic Coursetaking

ince A Nation at Risk was published in 1983, school reforms have emphasized increasing the number of academic courses students take in high school. Research has shown a strong relationship between the level of difficulty of courses students take and their performance on assessments. For both college-bound and non-college-bound students, assessment scores increased more for students taking advanced courses than for students who did not take advanced courses. Studies have also shown that students who take advanced coursework, such as Calculus, in high school are more likely to enroll in college and succeed beyond college.



NOTE: Data are available for 1982, 1987, 1990, 1992, 1994, 1998, and 2000. High-level coursework includes the following: mathematics: courses above Algebra II; science: chemistry, physics, or advanced biology; English: more courses at the honors level than at the low academic or regular level; and foreign language: a third-year, fourth-year, or advanced placement course. For a detailed listing of courses, see Tables ED4.A, ED4.B, ED4.C, and ED4.D.

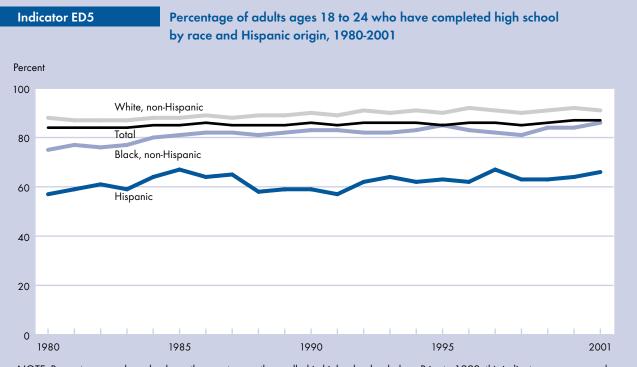
SOURCE: U.S. Department of Education, National Center for Education Statistics, High School and Beyond Survey, National Education Longitudinal Study of 1988, and National Assessment of Educational Progress Transcript Study.

- Forty-five percent of 2000 high school graduates had taken at least one advanced mathematics course (defined as a course above Algebra II), an increase from 26 percent of 1982 high school graduates. In addition, the percentage of 2000 high school graduates taking a nonacademic or low-level academic course as their most advanced course was 7 percent, compared with 24 percent for 1982 graduates.
- In science, more than half (63 percent) of all 2000 high school graduates had taken physics, chemistry, or advanced biology, more than the percentage of 1982 graduates who had taken these courses (35 percent). In addition, the percentage of students who had taken a physical science course lower than biology, chemistry, and physics as their most advanced course dropped from 27 percent of 1982 graduates to 9 percent of 2000 graduates.
- Thirty-four percent of all 2000 high school graduates took honors-level English courses, an increase from 13 percent of 1982 high school graduates. There was no detectable difference between the percentage of 1982 and 2000 graduates taking low academic level courses (10 and 11 percent, respectively).
- More high school students are taking foreign language courses. Thirty percent of 2000 high school graduates had taken a third- or fourth-year or advanced placement course, compared with 15 percent of 1982 graduates. Seventeen percent of 2000 high school graduates did not take any foreign language course, compared with 46 percent of 1982 high school graduates.

Bullets contain references to data that can be found in Tables ED4.A-ED4.D on pages 118-121. Endnotes begin on page 63.

High School Completion

high school diploma or its equivalent represents acquisition of the basic reading, writing, and mathematics skills a person needs to function in modern society. The percentage of young adults ages 18 to 24 with a high school diploma or an equivalent credential is a measure of the extent to which young adults have completed a basic prerequisite for many entry-level jobs as well as higher education.



NOTE: Percentages are based only on those not currently enrolled in high school or below. Prior to 1992, this indicator was measured as completing 4 or more years of high school rather than the actual attainment of a high school diploma or equivalent.

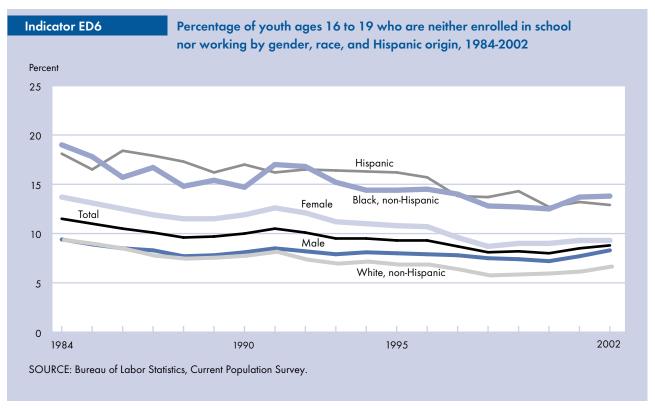
SOURCE: U.S. Census Bureau, October Current Population Survey. Tabulated by the U.S. Department of Education, National Center for Education Statistics.

- In 2001, 87 percent of young adults ages 18 to 24 had completed high school with a diploma or an alternative credential such as a General Education Development (GED) certificate. The high school completion rate has increased slightly since 1980, when it was 84 percent.
- The rate at which Black, non-Hispanic youth completed high school increased between 1980 and 1990, from 75 percent to 83 percent. It has fluctuated since then and was at 86 percent in 2001. Among White, non-Hispanics, the high school completion rate increased from 88 percent in 1980 to 91 percent in 2001.
- Hispanic youth have had a consistently lower high school completion rate than White, non-Hispanic and Black, non-Hispanic youth. Since 1980, the high school completion rate for Hispanic youth has fluctuated between 57 and 67 percent and was at 66 percent in 2001.
- Most young adults complete high school by earning a regular high school diploma. Others complete high school by earning an alternative credential, such as a GED. Between 1990 and 1999, the diploma rate declined by 4 percentage points, decreasing from 81 percent to 77 percent. In comparison, the alternative credential rate increased by 5 percentage points, from 4 to 9 percent. 98

Bullets contain references to data that can be found in Table ED5 on page 122. Endnotes begin on page 63.

Youth Neither Enrolled in School Nor Working

he transition from adolescence to adulthood is a critical period in each individual's life. Youth ages 16 to 19 who are neither in school nor working are detached from both of the core activities that usually occupy teenagers during this period. Detachment from school or the workforce, particularly if this situation lasts for several years, puts youth at increased risk of having lower earnings and a less stable employment history than their peers who stayed in school and/or secured jobs. ⁹⁹ The percentage of youth who are not enrolled in school and not working is one measure of the proportion of young people who are at risk of limiting their future prospects.



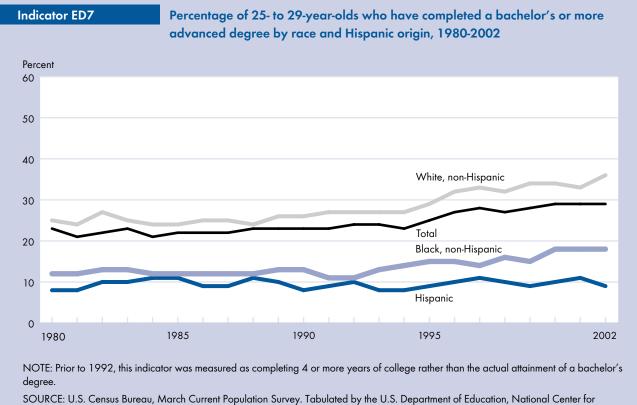
- In an average week during the 2002 school year, about 9 percent of youth ages 16 to 19 were neither enrolled in school nor working.
- The proportion of youth neither enrolled nor working declined between 1991 and 1998, and has since stabilized. Most of the decline in the proportion of youth neither enrolled nor working occurred among young women. In 1991, 13 percent of young women were neither in school nor working. By 2002, this proportion had decreased to 9 percent. Nevertheless, young women continue to be slightly more likely to be detached from these activities than young men.
- Black, non-Hispanic and Hispanic youth are considerably more likely to be detached from these activities than White, non-Hispanic youth. In 2002, 13 percent of Hispanic youth and 14 percent of Black, non-Hispanic youth were neither in school nor working, compared with 7 percent of White, non-Hispanic youth.

- The proportion of Black, non-Hispanic youth who are neither enrolled in school nor working has decreased from 19 percent in 1984 to 14 percent in 2002. The proportion of Hispanic youth who are neither enrolled in school nor working has also decreased, from 18 percent in 1984 to 13 percent in 2002.
- Older youth, ages 18 to 19, are more than three times as likely to be detached from these activities as youth ages 16 to 17. In 2002, 14 percent of youth ages 18 to 19 were neither enrolled in school nor working compared with 4 percent of youth ages 16 to 17.
- In contrast to the unchanging percentage of youth who are neither enrolled in school nor working, the percentage of youth who are both enrolled and employed has decreased in recent years. Between 1999 and 2002, the percentage of youth ages 16 to 19 who are both enrolled and employed decreased from 31 to 27 percent, which is similar to the percentage in 1990.

Bullets contain references to data that can be found in Tables ED6.A and ED6.B on pages 123-124. Endnotes begin on page 63.

Higher Education

igher education, especially completion of a bachelor's or more advanced degree, generally enhances a person's employment prospects and increases his or her earning potential. The percentage who have completed a bachelor's degree is one measure of the percentage of young people who have successfully applied for and persisted through a program of higher education.



- SOURCE: U.S. Census Bureau, March Current Population Survey. Tabulated by the U.S. Department of Education, National Center for Education Statistics.
- In 2002, 29 percent of 25- to 29-year-olds had earned a bachelor's or higher degree.
- This percentage increased between 1980 and 2002, from 23 to 29 percent; since 1996, the percentage has fluctuated between 27 and 29 percent.
- White, non-Hispanic persons ages 25 to 29 were more likely than either Black, non-Hispanics or Hispanics in the same age group to have earned a bachelor's degree. In 2002, 36 percent of White, non-Hispanics, 18 percent of Black, non-Hispanics, and 9 percent of Hispanics in this age group had earned a bachelor's degree or higher.
- Since 1980, the percentage of Hispanic 25- to 29year-olds who earned bachelor's degrees or higher has fluctuated between 8 and 11 percent and was at 9 percent in 2002.
- The percentage of Black, non-Hispanic 25- to 29-year-olds who earned a bachelor's degree increased from 12 percent in 1980 to 18 percent in 2002.
- In 2002, 8 percent of 25- to 29-year-olds had earned an associate's degree but had not subsequently earned a bachelor's degree.

Bullets contain references to data that can be found in Table ED7 on page 125. Endnotes begin on page 63.

Indicator Needed

Education

Regular, periodic data collections are needed to collect information on young children's cognitive, social, and emotional development.

■ Early childhood development. Although this report offers indicators of young children's exposure to reading and early childhood education, a regular source of data is needed to monitor specific social, intellectual, and emotional skills of preschoolers over time. One assessment of kindergartners' skills and knowledge was presented as a special feature in *America's Children*, 2000.